

PATENT
Docket: P-9091.04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Jahns et al)	Art Unit:
)	
Serial No.:	10/724,978)	Examiner:
)	
Filed:	12-01-2003)	
)	
For:	METHOD AND SYSTEM FOR NERVE STIMULATION AND CARDIAC SENSING PRIOR TO AND DURING A MEDICAL PROCEDURE		

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


Dear Sir:

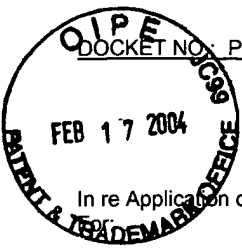
In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application.

Consideration of each of the documents listed on the attached Form 1449 is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the Form 1449, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Respectfully submitted,

Scott E. Jahns et al
By their Representatives,

By: 
Daniel W. Latham
Attorney for Applicants
Registration No. 30,401
Telephone: (763) 391-9661
Customer No.: 27581



DOCKET NO. P-9091.04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

In re Application of:

Jahns et al

METHOD AND SYSTEM FOR NERVE STIMULATION AND CARDIAC SENSING PRIOR TO AND DURING A MEDICAL PROCEDURE

Serial No.:

10/724,978

Filed:

12-01-2003

CERTIFICATE OF MAILING UNDER 37 CFR 1.8: I hereby certify that this **INFORMATION DISCLOSURE STATEMENT** and the paper(s), as described herein, are being deposited in the U.S. Postal Service, as first class mail, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 12th day of February, 2004.

Barbara J. Lakanen
Signature
Barbara J. Lakanen
Printed Name

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Sir:

We are transmitting herewith the attached:

- ☒ Information Disclosure Statement Transmittal
- ☒ Information Disclosure Statement
- ☒ PTO FORM 1449
- ☒ Copy of cited Foreign Patents and Other documents
- ☒ Return Postcard

FEE CALCULATION

- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(b)
- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(c) with Certification
- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(e) with Certification
- ☐ \$240.00 Pursuant to 37 CFR §1.97(c) without Certification
- ☐ \$130.00 Pursuant to 37 CFR §1.97(d) with Certification

- ☐ Applicant hereby petitions for a _____ months' extension of time. If an additional extension of time is required, please consider this petition therefor.
- ☒ Applicant believes that no extension of time is required. However, if an extension of time is required, please consider this a petition therefor to provide for the possibility that applicant has inadvertently overlooked the need for an extension of time.
- ☒ Please charge any additional fees or credits to Deposit Account No. 13-2546 which may have been overlooked on this Amendment Transmittal with regard to this filing. A duplicate of this transmittal is enclosed.

Date

2/11/2004

Daniel W. Latham
Daniel W. Latham
Reg. No. 30,401
Telephone: (763) 391-9661
Customer No.: 27581

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: P-9091.04

Serial No.: 10/724,978

Applicant(s): Jahns et al

Filing Date: 12-01-03

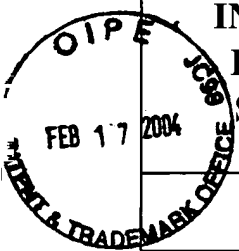
Group:

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
	5,014,698	05-14-1991	Cohen	128	419D	
	5,044,367	09-03-1991	Endres et al	128	419R	
	5,056,519	10-15-1991	Vince	128	419G	
	5,129,392	07-14-1992	Bardy et al	128	419D	
	5,199,428	04-06-1993	Obel et al	128	419C	
	5,203,326	04-20-1993	Collins	128	419PG	
	5,243,980	09-14-1993	Mehra	607	6	
	5,292,338	03-08-1994	Bardy	607	5	
	5,330,507	07-19-1994	Schwartz	607	14	
	5,334,221	08-02-1994	Bardy	607	14	
	5,354,318	10-11-1994	Taepke	607	22	
	5,356,425	10-18-1994	Bardy et al	607	14	
	5,507,784	04-16-1996	Hill et al	607	14	
	5,403,356	04-04-1995	Hill et al	607	14	
	5,501,703	03-26-1996	Holsheimer et al	407	46	
	5,540,732	07-30-1996	Testerman	607	42	
	5,549,655	08-27-1996	Erickson	607	42	
	5,578,061	11-26-1996	Stroetmann et al	607	4	
	5,620,468	04-15-1997	Mongeon et al	607	5	
	5,651,378	07-29-1997	Matheny et al	128	898	
	5,690,681	11-25-1997	Geddes et al	607	2	
	5,700,282	12-23-1997	Zabara	607	9	
	5,792,187	08-11-1998	Adams	607	5	
	5,913,876	06-22-1999	Taylor et al	607	2	
	5,916,239	06-29-1999	Geddes et al	607	14	
	5,964,789	10-12-1999	Karsdon	607	39	
	6,006,134	12-21-1999	Hill et al	607	9	
	6,043,273	03-28-2000	Duhaylongsod	514	478	
	6,060,454	05-09-2000	Duhaylongsod	514	26	
	6,073,048	06-06-2000	Kieval et al	607	17	
	6,087,394	07-11-2000	Duhaylongsod	514	478	
	6,101,412	08-08-2000	Duhaylongsod	607	2	
	6,127,410	10-03-2000	Duhaylongsod	514	478	

EXAMINER**Date Considered**

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: P-9091.04

Serial No.: 10/724,978

Applicant(s): Jahns et al

Filing Date: 12-01-03

Group:

U.S. PATENT DOCUMENTS

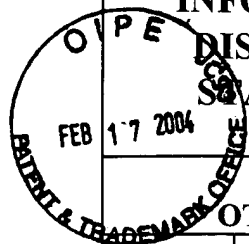
Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
		6,141,589	10-31-2000	Duhaylongsod	607	10	
		6,184,239	02-06-2001	Puskas	514	346	
		5,836,994	11-17-1998	Bourgeois	607	40	
		4,960,133	10-02-1990	Hewson	128	784	
		4,304,239	12-08-1981	Perlin	128	642	
		4,640,298	02-03-1987	Pless et al	128	784	
		5,540,730	07-30-1996	Terry Jr. et al	607	040	
		5,330,515	07-19-1994	Rutecki et al	607	46	
		5,928,272	07-27-1999	Adkins et al	607	45	
		5,611,350	03-18-1997	John	128	731	
		5,571,150	11-05-1996	Wernicke et al	607	72	
		5,052,390	10-01-1991	Hewson	128	419D	
		5,056,532	10-15-1991	Hull et al			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	SubClass	Translation	
							Yes	No
		DE 28 11 325	09-27-1979	Germany				
		EP 0 589 252	09-01-1993	European				
		WO 92/11064	07-09-1992	PCT				
		WO 97/40885	11-06-1997	PCT				
		WO 99/07354	02-18-1999	PCT				
		WO 99/09971	03-04-1999	PCT				
		WO 99/09973	03-04-1999	PCT				
		WO01/00273	06-23-2000	PCT				

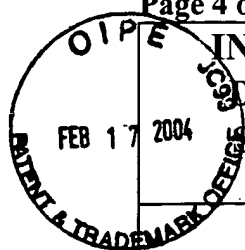
EXAMINER**Date Considered**

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE STATEMENT		Atty. Docket No.: P-9091.04	Serial No.: 10/724,978
		Applicant(s): Jahns et al	
		Filing Date: 12-01-03	Group:
OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)			
		Coronary Artery Surgery With Induced Temporary Asystole And Intermittent Ventricular Pacing: An Experimental Study / R. Khanna and H.C. Cullen / Cardiovascular Surgery/ April 1996 Vol 4 No. 2 pp: 231-236	
		Editorial / Adrian R.M. Upton / PACE, October, Part II 1992 Vol. 15 pp: 1543-1544	
		Neural Effects On Sinus Rate and Atrioventricular Conduction Produced by Electrical Stimulation from a Transvenous Electrode Catheter in the Canine Right Pulmonary Artery / Terry B. Cooper, Gilbert R. Hageman, Thomas N. James, and Albert L. Waldo / Circulation Research Vol. 46, No.1, January 1980	
		Selective Stimulation of Parasympathetic Nerve Fibers to the Human Sinoatrial Node / Mark D. Carlson, MD, MA; Alexander S. Geha, MD, MS; Jack Hsu, MD; Paul J. Martin, PhD; Matthew N. Levy, MD; Gretta Jacobs, MD; and Albert I. Waldo, MD / Circulation - Vol 85, No 4 pp: 1311-1317	
		Controlled Intermittent Asystole: Pharmacologic Potentiation of Vagal-Induced Asystole / Bradley L. Burkin, MD; John D. Puskas, MD; Jakob Vinten-Johansen, PhD; Steven T. Shearer, BS; and Robert A. Guyton, MD / The Society of Thoracic Surgeons - 1998	
		Controlled Ventricular Asystole With Surgeons - Actuated Pacing For Off-Pump Coronary Artery Bypass Grafting: A Proposed Surgical Method / Francis G. Duhaylongsod and William R. Burfeind, Jr. / IBMCS Abstract - June 25, 1998	
		Age-Related Changes of Cardiac Control Function in Man: With special reference to heart rate control at rest and during exercise. / Iwao Sato, MD; Yasuhiro Hasegawa, MD; Norikazu Takahashi, MD; Yukio Hirata, MD; Katsuro Shimomura, MD; and Ken Hotta, PhD. / Journal of Gerontology, 1981, Vol. 36, No. 5, pp: 564-572	
		Cardiac Muscarinic Receptors Decrease with Age / Otto-Erich Brodde; Ulrich Konchak; Karin Becker; Florian Ruter; Ulrike Potter; Jens Jakubetz; Joachim Radke; and Hans-Reinhard Zerkowski / J. Clin. Invest. Volume 101, Number 2. January 1998, 471-478	
		Age-Dependent Changes in Cardiac Muscarinic Receptor Function in Healthy Volunteers / Ulrike Piller, MD; Gesine Nedelka, MD; Joachim Radke, MD; Klaus Poinicke, Ph.D.; and Otto-Erich Brodde, Ph.D. / JACC Vol. 29. No. 1 January 1997: 187-93	
		Age-Related Changes of Cardiac Parasympathetic Modulation After Vasovagal Syncope / Alfonso Lagi, MD; Simone Cencetti, MD; Lamberto Fattorini, MD; and Carlo Tamburini, MD / The American Journal of Cardiology Vol. 83 March 15, 1999	
		Desensitization of the Cholinergic receptor at the sinoatrial cell of the kitten / Jose Jalife; Allan J. Hamilton, and Gordon K. Moe / 1980 the American Physiological Society	
		Sensitivity differences of SA and AV node to vagal stimulation: attenuation of vagal effects at SA node / Jerod M. Loeb; Daniel P. Dalton; and John M. Moran / 1981 the American Physiological Society	
		Vagal Nerve Monitoring: A Comparison of Techniques in a Canine Model / Mark A. Severtson; John P. Leonette; and Denise Jarocki / The American Journal of Otolaryngology 18:398-400 1997	
		The NIM-2 nerve integrity monitor in thyroid and parathyroid surgery / J. Barwell; J. Lytle; R. Page; and D. Wilkins / British Journal of Surgery 1997, 84, 854	
		A New Method For Intraoperative Recurrent Laryngeal Nerve Monitoring / Richard W. Maloney, MD; Benjamin W. Murcek, DO; Kirk W. Steehler, DO; Dennis Sibly; Richard E. Maloney / ENT Journal January 1994	
EXAMINER		Date Considered	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE STATEMENT

Atty. Docket No.: P-9091.04

Serial No.: 10/724,978

Applicant(s): Jahns et al

Filing Date: 12-01-03

Group:

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Revision and Removal of Stimulating Electrodes Following Long-Term Therapy with the Vagus Nerve Stimulator / Jose Espinosa, MD; Mary T. Aiello, MA; and Dean K. Naritoku, MD / 1999 by Elsevier Science Inc. / Surg Neurol 1999;51:659-64

Epilepsy, Vagal Nerve Stimulation by the NCP System, All-Cause Mortality, and Sudden, Unexpected, Unexplained Death / J.F. Annegers; Sharon P. Coan; W.A. Hauser; and J. Leestma / Epilepsia, Vol. 41. No.5. 2000

Fade of cardiac responses during tonic vagal stimulation / Paul Martin, Matthew N. Levy, and Yasuo Matsuda / 1982 the American Physiological Society

Experiences in Minimally Invasive Cardiac Surgery –Techniques of Stabilization / Robert G. Matheny, MD / presented by the Minneapolis Heart Institute Foundation June 19-21, 1997

Vagus Nerve Stimulation as a Method to Temporarily Slow or Arrest the Heart / Robert G. Matheny, MD; and Carl J. Shaar, PhD / 1997 by The Society of Thoracic Surgeons

Vagus Nerve Stimulation for Treatment of Partial Seizures: 1. A Controlled Study of Effect on Seizures / E. Ben-Menachem, R. Manon-Espaillat; R. Ristanovic; B.J. Wilder; H. Stefan; W. Mirza; W.B. Tarver; J.F. Wernicke; and First International Vagus Nerve Stimulation Study Group / Epilepsia, 35(3):616-626, 1994

Vagus Nerve Stimulation for Treatment of Partial Seizures: 2. Safety, Side Effects, and Tolerability / R.E. Ramsay; B.M. Uthman; L.E. Augustinsson; A.R.M. Upton; D. Naritoku; J. Willis; T. Treig; G. Barolat; J.F. Wernicke; and First International Nerve Stimulation Study Group / Epilepsia. 35(3) 627-636, 1994

Vagus Nerve Stimulation for Treatment of Partial Seizures: 3. Long-Term Follow-Up On First 67 Patients Exiting a Controlled Study / R. George; M. Salinsky; R. Kuzniedky; W. Rosenfeld; D. Bergen; W.B. Tarver; J.F. Wernicke; and First International Nerve Stimulation Study Group / Epilepsia. 35(3):637-643, 1994

Vagus Nerve Stimulation for the Control of Epilepsy / Epilepsia Journal of the International League Against Epilepsy / Proceedings of a Symposium held in conjunction with the American Epilepsy Society Annual Meeting Boston, MA December 2, 1989

EXAMINER

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.